

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (Currently Amended) A process installation having:

a control room; and

a plurality of sensors older field devices, which are connected via 2-wire line, ~~e.g., according to the Hart standard,~~ with a plurality of converter units; from which a signal line leads to said control room; and

which exchange data for ~~long distance~~ first transmission technology with said control room via said signal line, wherein:

~~said signal line is designed for a conventional first data transmission technology according to an appropriate industry standard, such as, e.g. Whessoematic WM550, Varec Mark/Space, Sakura Vi. Tiway, having a low data transmission rate (smaller than 10,000 baud);~~

at least one converter unit, for data exchange, or at least one new field device operates with a second data transmission technology, which permits a greater data transmission rate and/or an expanded functionality than the first transmission technology, and which uses, as a communication medium, the existing signal line[[,]]:

said older field devices, converter units or newer field devices communicate with said control room according to the first data transmission technology or second data transmission technology on the same existing signal line;

the first and second data transmission technologies use separate data transmission channels occupying different frequency bands;

the first data transmission channel occupies a frequency band up to 4 kHz, and

the second data transmission channel occupies a frequency range greater than 4 kHz,
each of the older field devices, the converter units or modern field devices is
provided with a filter unit, which filter the appropriate signals out ~~and feed them to the~~
~~field devices~~, and,

in the control room, a splitter is provided in the signal line [[SL]].

Claims 12 - 14 (Cancelled).

15. (Currently Amended) The process installation as claimed in claim 11, wherein:

said signal line [[&E]] is a copper 2-wire line with a bandwidth of about 1 MHz.

Claim 16 (Cancelled)

17. (Previously presented) The process installation as claimed in claim 11, wherein:

said second data transmission technology corresponds to DSL (digital subscriber line) technology.

18. (Previously presented) The process installation as claimed in claim 11, wherein:

the process installation, is a tank farm with a plurality of tanks LC1, LC2, LC3, LC4, LC5 for containing liquid.

Claims 19 and 20 (Cancelled).

21. (Currently amended) The process Installation as claimed in claim 11 , wherein:

the industry standard is one of: Whessoematic WM550, Varec Mark/Space, Sakura VI, Tiwa.

22. (New) The process Installation as claimed in claim 11 , wherein:
said new field devices designed for the second data transmission technology is
connected directly with the existing signal line.